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EXAMINER

CHAU, MINH H

ART UNIT	PAPER NUMBER
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2854

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DATE MAILED: 06/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/921,001

Applicant(s)

LEE, SANG-MIN

Examiner

Minh H Chau

Art Unit

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 August 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 12, 15-23 and 26 is/are rejected.
- 7) ☒ Claim(s) 10, 11, 13, 14, 24, 25, 27 and 28 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Objections

1. Claim 6 is objected to because of the following informalities: The dependency of claim 6 (6/4/3) is improper because claim 6 is a duplicate of claim 3. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 12 and 26** are rejected under 35 U.S.C. 102(b) as being anticipated by Kuroda (JP 11-268367).

With respect to claims 12 and 26, Kuroda teaches an apparatus and a method for adjusting a print location for printing by a printer (1) comprising means for receiving print position or print location information about a print location for printing on a printing medium by the printer and margin information about margins for printing on a printing medium from a computer (the margin information is inherent either by default setting or manual setting by the user in the computer when the print data is transmitting to the printer) (see paragraph [006] and [022-025] of Kuroda), means for determining the print location for printing on the printing medium using the print location information and the margin information (see paragraph [013-019] of Kuroda), and means for controlling the position of a print engine or printer head (15) for

printing on the printings medium according to the print location determined by the means for determining the print location (see paragraph [024-025] of Kuroda).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 1-9 and 15-23** are rejected under 35 U.S.C. 103(a) as being unpatentable over Maenzono (JP 08-127159) in view of Kuroda (JP 11-268367).

With respect to claims 1 and 15, Maenzono teaches an apparatus and method for setting a print position or a print location for printing by a printer comprising means for determining whether a print location setting command for setting a print location for printing by the printer is input, means for outputting a print location setting menu screen for setting the print location for printing by the printer when the print location setting command is input, means for inputting print location information for setting the print location for printing by the printer and for entering the input print location information in the print location setting menu screen (see cols. 2-3 of Maenzono).

Maenzono teaches all the limitation, except for the “means for storing the input print location information”. Kuroda teaches an apparatus and method including means for storing the input print position or print location information entered in the print location setting by the menu screen (see Figs. 1-11 and paragraph [025-035] of Kuroda).

In view of this teaching, it would have been obvious to one of ordinary skill in the art to modify the device and method of Maenozono to including storage means for storing the input print location as taught by Kuroda so that to allow the altering or adjusting the inputted of a print location can be quickly and easily achieved.

With respect to claims 2 and 16, see Fig. 1 and col. 2 of Maenozono that show a print location setting menu screen comprising an input window for inputting at least margins or coordinate information about a printing image range (15) which includes a starting point and an end point of the print location.

With respect to claims 3, 6, 17 and 20, see Figs. 1, 2 and col. 2, line 43+ of Maenozono that teaches a print location menu screen including a cursor window input means for setting the default printing position information.

With respect to claims 4, 7, 18 and 21, see Figs. 1, 3, 4, 16 and col. 3 of Maenozono that teach the print location setting menu screen being programmed such that edge boundary screen information (12) for a printing medium and print boundary screen information (13) for a print location are for printing on the medium are displayed together on the print location setting menu screen, with the print boundary screen information being changed according to the input print location information.

With respect to claims 5, 8, 19 and 22, see Figs. 1, 3, 4, 16 and cols. 2-3 of Maenozono that teaches the print location setting menu screen being programmed such that the print boundary screen changed in the horizontal or X-axis and vertical or Y-axis direction by using a print location adjustment cursor (3)

With respect to claims 9 and 23, see cols. 2-3 of Maenozono that teaches an apparatus and a method for adjusting a print location for printing by a printer comprising means for receiving print position or print location information about a print location for printing on a printing medium by the printer and margin information about margins for printing on a printing medium, means for determining the print location for printing on the printing medium using the print location information and the margin information and means for controlling the printing position moving means (11) to control position of a printer head for printing on the printings medium according to the print location determined by the means for determining the print location.

Maenozono teaches all the limitations as explained above, except for the print location information and margin information is transmitting from a computer. Kuroda teaches an apparatus and method including the print location information and margin information is transmitting from a computer (see paragraph [006] and [022-025] of Kuroda).

In view of this teaching, it would have been obvious to one of ordinary skill in the art to modify the device of Maenozono to include the print location information and margin information is transmitting from a computer that taught by Kuroda to allow the user the convenience setting a print position for printing on the print medium at a remote location.

Allowable Subject Matter

6. **Claims 10-11, 13-14, 24-25 and 27-28** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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7. The following is a statement of reasons for the indication of allowable subject matter:

Claims 10-11, 13-14, 24-25 and 27-28 have been indicated for containing allowable subject matter because the prior art fails to teach the entire combination of an apparatus and a method for adjusting a print location for printing by a printer including **means** for comparing the X-axis lower limit X_s with the X-axis upper limit X_e and means for comparing the Y-axis upper limit Y_e with the Y-axis lower limit Y_s , respectively; **means** for selectively changing the margins respectively according to a predetermined rule when any of the X-axis lower limit X_s is greater than or equal to the X-axis upper limit X_e and the Y-axis lower limit Y_s is greater than or equal to the Y-axis upper limit Y_e , and **means** for determining the X-axis lower limit X_s and the Y-axis lower limit Y_s as the respective X-axis and Y-axis coordinate values of a print starting point X_{st} , Y_{st} when the X-axis lower limit X_s is less than the X-axis upper limit X_e and when the Y-axis lower limit Y_s is less than the Y-axis upper limit Y_e , and when the X-axis lower limit X_s is greater than or equal to X-axis upper limit X_e , means for determining an X-axis coordinate value X_{st} of the print starting point that adds the X-axis minimum value X_{min} to a changed left margin value M_l' determined by the means for selectively changing the margins, and when the Y-axis lower limit Y_s is greater than or equal to the Y-axis upper limit Y_e , means for determining a Y-axis coordinate value Y_{st} of the print starting point that adds the Y-axis minimum value Y_{min} to changed top margin value M_t' determined by the means for selectively changing the margins.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Applicant's attention is invited to the patents to Watai (JP 10-224611), Endo (JP 04-126277) and Takenoshita et al. (US # 6,203,220).

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh H Chau whose telephone number is (703) 305-0298. The examiner can normally be reached on M - TH.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H Hirshfeld can be reached on (703) 305-6619. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

MHC
June 13, 2003

